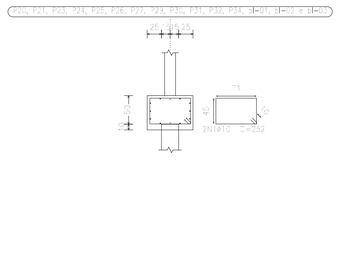
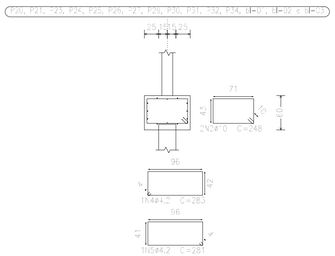
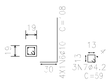
P20, P21, P23, P24, P25, P26, P27, P29, P30, P31, P32, P34, bl-01, bl-02 e bl-03

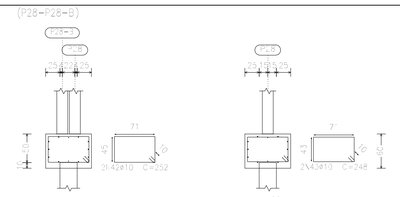




P20, P21, P23, P24, P25, P26, P27, P29, P30, P31, P32, P34, bl-01, bl-02 e bl-03

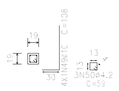


(P28-P28-B)

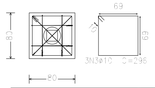


P28

P28-B

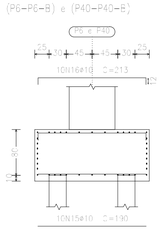


Estacas: Estaca Pré-Moldada 210 mm x 210 mm - 30T

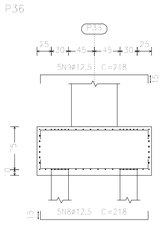


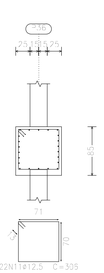
Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso (kg)	Total
CA-50-A	ø6.3	1574.1	389	
	ø10	1450.4	911	
	ø12.5	5006.2	4912	
	ø16	224.6	353	
	ø20	26.2	65	6630
CA-60-B	ø4.2	383.2	42	42
Total				6672

(P6-P8-B) e (P40-P40-B)

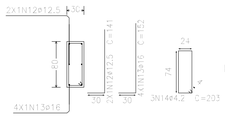


P36

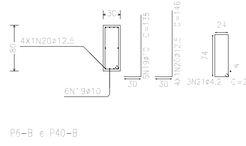




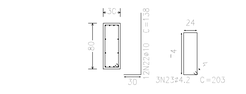
P36



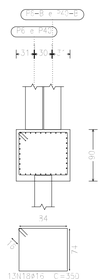
P6 e P40



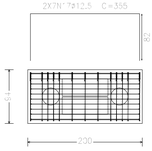
P6-B e P40-B



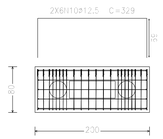
P6-B e P40-B



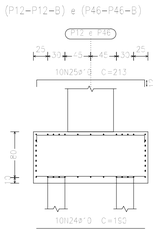
Estacas: Estaca Pré-Moldada 210 mm x 210 mm - 30T



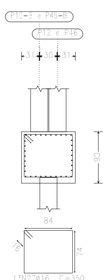
Estacas: Estaca Pré-Moldada 210 mm x 210 mm - 30T



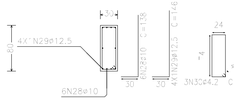
(P12-P12-B) e (P46-P46-B)



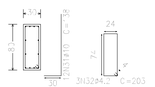
P12 e P46



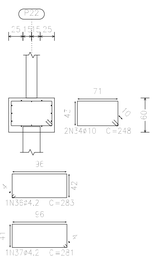
P12 e P46



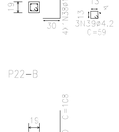
P12-B e P46-B



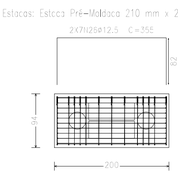
P22



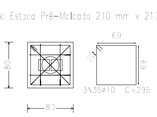
P22-B



Estacas: Estaca Pré-Moldada 210 mm x 210 mm - 30T

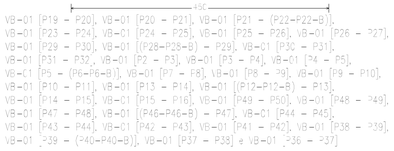


Estacas: Estaca Pré-Moldada 210 mm x 210 mm - 30T

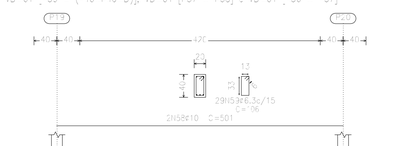


Estacas: Estaca Pré-Moldada 210 mm x 210 mm - 30T

VB-01 [P35 - P34], VB-01 [P1 - bl-01 - P1], V3-C1 [P51 - bl-03] e VB-01 [bl-02 - P17]

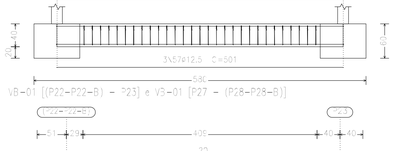


VB-01 [P34 - P18], VB-01 [P13 - bl-01], VB-01 [bl-03 - P32] e VB-0 [P33 - bl-02]



VB-01 [P19 - P20], VB-01 [P20 - P21], VB-01 [P21 - (P22-P22-B)], VB-01 [P23 - P24], VB-01 [P24 - P25], VB-01 [P25 - P26], VB-01 [P26 - P27], VB-01 [P29 - P30], VB-01 [(P28-P28-B) - P29], VB-01 [P30 - P31], VB-01 [P31 - P32], VB-01 [P2 - P3], VB-01 [P3 - P4], VB-01 [P4 - P5], VB-01 [P5 - (P6-P6-B)], VB-01 [P7 - P8], VB-01 [P8 - P9], VB-01 [P9 - P10], VB-01 [P10 - P11], VB-01 [P13 - P14], VB-01 [(P12-P12-B) - P13], VB-01 [P14 - P15], VB-01 [P15 - P16], VB-01 [P49 - P50], VB-01 [P48 - P49], VB-01 [P47 - P48], VB-01 [(P46-P46-B) - P47], VB-01 [P44 - P45], VB-01 [P43 - P44], VB-01 [P42 - P43], VB-01 [P41 - P42], VB-01 [P38 - P39], VB-01 [P39 - (P40-P40-B)], VB-01 [P37 - P38] e VB-01 [P36 - P37]

VB-01 [(P22-P22-B) - P23] e V3-01 [P27 - (P28-P28-B)]



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P20=P21=P23=P24 P25=P26=P27=P29 P30=P31=P32=P34 bl-01=bl-02=bl-03	-	ø10	2		252		252	504	3.2	
	2	ø10	2		248		248	496	3.1	
	3	ø10	2		296		296	888	5.5	
	4	ø4.2	1		283		283	283		0.3
	5	ø4.2	1		281		281	281		0.3
	6	ø10	4	30	72		108	432	2.7	
	7	ø4.2	1		59		59	177		0.2
								Total:	14.8	0.8
								(-15):	2°9.C	12.0
P35	8	ø12.5	2	15	88	15	218	050	10.7	
	9	ø12.5	2	15	88	15	218	050	10.7	
	10	ø12.5	2		329		329	948	38.7	
	11	ø12.5	22		306		306	6732	66.1	
	12	ø12.5	2	30	111		141	282	2.3	
	13	ø16	4	30	22		152	608	9.5	
	14	ø4.2	1		203		203	609		0.7
								Total:	138.5	0.7
(P6-P8-B) (-240-940-B)	15	ø10	10		90		190	900	11.9	
	16	ø10	10	12	88	12	213	2130	13.4	
	17	ø12.5	14		350		355	4970	48.8	
	18	ø16	5		350		350	4550	71.4	
	19	ø10	4	30	098		138	828	5.2	
	20	ø12.5	4	30	11		146	584	5.7	
	2	ø4.2	1		203		203	609		0.7
	22	ø10	4	30	098		138	656	10.4	
	23	ø4.2	1		203		203	609		0.7
								Total:	169.9	1.4
								(+2):	333.6	2.8
(912-912-B) (-746-946-B)	24	ø10	10		90		190	900	11.9	
	25	ø10	10	12	88	12	213	2130	13.4	
	26	ø12.5	14		350		355	4970	48.8	
	27	ø16	13		350		350	4550	71.4	
	28	ø10	4	30	098		138	828	5.2	
	29	ø12.5	4	30	11		146	584	5.7	
	20	ø4.2	1		203		203	609		0.7
	2'	ø10	12	30	098		138	656	10.4	
	32	ø4.2	1		203		203	609		0.7
								Total:	169.9	1.4
								(+2):	333.6	2.8
(922-922-B)	33	ø10	2		252		252	504	3.2	
	34	ø10	2		248		248	496	3.1	
	35	ø10	2		296		296	888	5.5	
	36	ø4.2	1		283		283	283		0.3
	37	ø4.2	1		281		281	281		0.3
	38	ø10	4	30	72		108	432	2.7	
	39	ø4.2	1		59		59	177		0.2
	40	ø10	4	30	72		108	432	2.7	
	4'	ø4.2	1		59		59	177		0.2
								Total:	17.3	1.0
(926-928-B)	42	ø10	2		252		252	504	3.2	
	43	ø10	2		248		248	496	3.1	
	44	ø10	2		296		296	888	5.5	
	45	ø4.2	1		283		283	283		0.3
	46	ø4.2	1		281		281	281		0.3
	47	ø10	4	30	72		108	432	2.7	
	48	ø4.2	1		59		59	177		0.2
	49	ø10	4	30	72		108	432	2.7	
	50	ø4.2	1		59		59	177		0.2
								Total:	17.3	1.0
VB-0 [P35 - P34] V1-01 [bl-01 - P1] JB-01 [P3 - bl-01] JB-01 [bl-02 - P17]	2	ø12.5	2		401		401	263	11.5	
	2.1	ø10	12		401		401	802	5.2	
	2.3	ø6.3	15		04		106	2014	5.2	
								Total:	21.5	
								(+4):	87.2	
VB-0 [P14 - P18] JB-01 [P13 - bl-01] JB-01 [P53 - P35] JB-01 [P33 - bl-02]	54	ø12.5	2		371		371	113	10.9	
	55	ø10	21		371		371	742	4.7	
	56	ø6.3	21		04		106	2226	5.5	
								Total:	21.1	
								(+4):	84.4	
VB-0 [P18 - P22] VB-0 [P22 - P2] V3-01 [P27 - (P22-B)] VB-0 [P23 - P24] VB-0 [P24 - P25] VB-0 [P25 - P26] VB-0 [P26 - P27] VB-0 [P29 - P30] V3-01 [P25-P22-B) - P23] VB-0 [P30 - P31] VB-0 [P31 - P32] JB-01 [P2 - P3] JB-01 [P3 - P4] JB-01 [P4 - P5] JB-01 [P5 - (P6-P6-B)] VB-0 [P7 - P8] VB-0 [P8 - P9] VB-0 [P9 - P10] VB-0 [P10 - P11] VB-0 [P13 - P14] V3-01 [(P12-P12-B) - P13] VB-0 [P14 - P15] VB-0 [P15 - P16] VB-0 [P49 - P50] VB-0 [P48 - P49] V3-01 [(P46-P46-B) - P47] VB-0 [P44 - P45] VB-0 [P45 - P44] VB-0 [P42 - P41] VB-0 [P41 - P42] VB-0 [P38 - P39] V3-01 [P39 - (P40-P40-B)] VB-0 [P37 - P38] VB-0 [P36 - P37]	57	ø12.5	2		501		501	563	14.7	
	58	ø10	2		501		501	002	6.3	
	59	ø6.3	25		04		106	307	7.5	
								Total:	28.6	
								(+35):	1C01.C	
V3-01 [P22-P22-B) - P23] V3-01 [P27 - (P28-P28-B)]	E0	ø12.5	2		475		479	437	14.1	
	E	ø10	2		475		479	958	6.3	
	E2	ø6.3	25		04		106	307	7.5	
								Total:	27.7	
								(+2):	55.4	
								ø4.2:	0.3	20.3
								ø6.3:	373.2	0.0
								ø10:	688.5	0.0
								ø12.5:	980.5	0.0
								ø16:	295.1	0.0
								Total:	2287.3	20.3

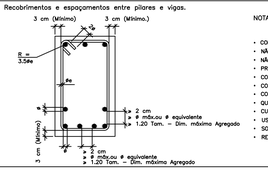
REVISÃO N.° :	DATA :	AUTOR :	ANOTAÇÕES :

TABELA DE CONCRETO	
ESTACAS	30 MPA
FUNDAÇÃO	30 MPA
PILARES	30 MPA
VIGAS	30 MPA
LAJES	

LEGENDA PILARES

PILAR QUE NASCE — PILAR QUE MORRE — PILAR QUE CONTINUA

Recobrimentos e espaçamentos entre pilares e vigas.



NOTAS: A EXECUÇÃO DAS ESTRUTURAS DEVERÃO SEGUIR NBR 14931:2003

- CONFERIR TRAÇO DO CONCRETO
- NÃO TIRAR MEDIDAS EM ESCALA
- NÃO CONCRETAR SEM VISTORIA DO RESPONSÁVEL TÉCNICO
- PREVER FUROS E PASSAGENS EM LAJES E VIGAS
- CONSULTAR PROJETO DE HIDRÁULICA E ELÉTRICA
- CONSULTAR PROJETO DE ARQUITETURA P/ COTAS E CURVAS
- CONFERIR MEDIDAS NA OBRA (CURVAS E CHANFROS)
- QUALQUER MODIFICAÇÃO DEVE SER AUTORIZADA POR ESCRITO
- CUIDADO ESPECIAL COM OS COBRIMENTOS
- USAR ESPAÇADORES DE PLÁTICOS OU CONCRETO
- SOLICITAR CORPOS DE PROVA ADICIONAIS N° >3
- RELAÇÃO AGUA/CIMENTO EM MASSA = MENOR OU IGUAL A 0,55

AMPLITUDE ENGENHARIA E CONSTRUÇÕES EIRELI
RUA FRANCISCO DE SOUZA, 31, BAIRRO BELA VISTA, CEP 13.460-000 - NOVA ODESSA - SP
contato@amplitudeeng.com.br

FOLHA : 04/14

TÍTULO: PROJETO ESTRUTURAL - FUNDAÇÃO E VIGAS BALDRAMES

RESP. TÉCNICO: JOCIMAR JOAQUIM PEREIRA CREA: 5061159276

OBRA : IMPLANTAÇÃO DE PROESSO DE FABRICAÇÃO DE COMPOSTO ORGÂNICO A PARTIR DO LODO DE ESGOTO GERADO PELA ETE QUILOMBO

PROPRIETÁRIO: CODEN - COMPANHIA DE DESENVOLVIMENTO DE NOVA ODESSA

ENDEREÇO: MUNICIPIO DE NOVA ODESSA - SP

ESCALA: INDICADA ART: 28027230171941764 DATA: 15/05/2017

FORMATO A1 - INTERNO: 790 x 574 mm.
EXTERNO: 840 x 594 mm.